



Attorney's Docket No.: 10559-614001/P12853

2161  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gilbert Wolrich et al.      Art Unit: 2161  
Serial No.: 10/020,815      Examiner: E. Leroux  
Filed : December 12, 2001  
Assignee : Intel Corporation  
Title : QUEUE MANAGEMENT

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
AND REQUEST FOR INITIALED FORM PTO-1449

Dear Sir:

Applicants call attention to the attached Information  
Disclosure Statement and documents listed on form PTO-1449.

Kindly accept this Information Disclosure Statement under  
Rule 97(c)(2). The rule 17(p) certification fee of \$180 is  
enclosed.

Also enclosed are copies of the Information Disclosure  
Statement (4 pages) and EFS Information Disclosure Statement (9  
pages) filed on June 29, 2004. Copies of the non-patent

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

01/23/2006 RMEBRAHT 00000043 10020815

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180.00 DP

I hereby certify under 37 CFR §1.8(a) that this correspondence is being  
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January 17, 2006

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Signature

Jennifer H. Payne

Typed or Printed Name of Person Signing Certificate

Applicant : Gilbert Wolrich et al.  
Serial No. : 10/020,815  
Filed : December 12, 2001  
Page : 2 of 2

Attorney's Docket No.: 10559-614001 / P12853

references for the Information Disclosure Statement filed June 29, 2004 were previously submitted, thus copies are not provided.


The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Please apply any additional charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: January 17, 2006

  
\_\_\_\_\_  
Scott C. Harris /BY  
Reg. No. 32,030 BING AI  
Attorney for Intel Corporation REG. NO. 43,312

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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

10559-614001

Application No.

10/020,815

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant

Gilbert Wolrich et al.

Filing Date

December 12, 2001

Group Art Unit

2161

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2002/0131443	09/2002	Robinett et al.			
	AB	2002/0144006	10/2002	Cranston et al.			
	AC	2003/0041216	02/2003	Rosenbluth et al.			
	AD	2003/0046488	03/2003	Rosenbluth et al.			
	AE	2003/0110166	06/2003	Wolrich et al.			
	AF	2004/0039895	02/2004	Wolrich et al.			
	AG	2004/0054880	03/2004	Bernstein et al.			
	AH	2004/0071152	04/2004	Wolrich et al.			
	AI	2004/0073778	04/2004	Adiletta et al.			
	AJ	2004/0098496	05/2004	Wolrich et al.			
	AK	2004/0179533	09/2004	Donovan			
	AL	5,185,861	02/1993	Valencia			
	AM	5,268,900	12/1993	Hluchyj et al.			
	AN	5,634,015	05/1997	Chang et al.			
	AO	5,671,446	09/1997	Rakity et al.			
	AP	5,684,962	11/1997	Black et al.			
	AQ	5,873,089	02/1999	Regache			
	AR	5,893,162	04/1999	Lau et al.			
	AS	6,347,341	02/2002	Glassen et al.			
	AT	6,351,474	02/2002	Robinett et al.			
	AU	6,385,658	05/2002	Harter et al.			
	AV	6,393,531	05/2002	Novak et al.			
	AW	6,426,957	07/2002	Hauser et al.			
	AX	6,438,651	08/2002	Slane			
	AY	6,523,060	02/2003	Kao			
	AZ	6,539,024	03/2003	Janoska et al.			
	AAA	6,658,546	12/2003	Calvignac et al.			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) IAP-33 <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.102(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. <b>10559-614001</b>	Application No. <b>10/020,815</b>
	Applicant <b>Gilbert Wolrich et al.</b>			
	Filing Date <b>December 12, 2001</b>		Group Art Unit <b>2161</b>	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6,684,303	01/2004	LaBerge			
	ACC	6,687,247	02/2004	Wilford et al.			
	ADD	6,728,845	04/2004	Adiletta et al.			
	AEE	6,731,596	05/2004	Chiang et al.			
	AFF	6,754,223	06/2004	Lussier et al.			
	AGG	6,757,791	06/2004	O'Grady et al.			
	AHH	6,768,717	07/2004	Reynolds et al.			
	AII	6,779,084	08/2004	Wolrich et al.			
	AJJ	6,791,989	09/2004	Steinmetz et al.			
	AKK	6,795,447	09/2004	Kadambi et al.			
	ALL	6,804,239	10/2004	Lussier et al.			
	AMM	6,810,426	10/2004	Mysore et al.			
	ANN	6,813,249	11/2004	Lauffenburger et al.			
	AOO	6,816,498	11/2004	Viswanath			
	APP	6,822,959	11/2004	Galbi et al.			
	AQQ	6,842,457	01/2005	Malalur			
	ARR	6,850,999	02/2005	Mak et al.			
	ASS	6,868,087	03/2005	Agarwala et al.			
	ATT	6,876,561	04/2005	Wolrich et al.			
	AUU	6,888,830	05/2005	Snyder II et al.			
	AVV	6,895,457	05/2005	Wolrich et al.			
	AWW	6,975,637	12/2005	Lenell			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AXX	0 418 447	03/1991	Europe				
	YYY	0 760 501	03/1997	Europe				

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-614001	Application No. 10/020,815
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gilbert Wolrich et al.	
		Filing Date December 12, 2001	Group Art Unit 2161

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AZZ	WO 98/25210	06/1998	WIPO				
	AAAA	WO 03/017541	02/2003	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ABBB	Adiletta, et al., "The next generation of Intel IXP Network Processors", Intel Technology Journal, Network Processors, vol. 6, issue 3, published Aug. 15, 2002, pp. 6-18.
	ACCC	Brewer, et al., "Remote Queues: Exposing Message Queues for Optimization and Atomicity", SPAA '95 Santa Barbara, CA, pp. 1-13.
	ADDD	Buyuktosunoglu, A., et al., "Tradeoffs in Power-Efficient Issue Queue Design", ISLPED '02, ACM, Aug. 2002, 6 pages.
	AEEE	Dandamudi, S., "Multiprocessors", IEEE Computer, Mar. 1997, pp. 82-89.
	AFFF	Hendler, D., et al., "Work Dealing", SPAA '02, ACM, Aug. 2002, pp. 164-172.
	AGGG	Jonkers, H., "Queueing Models of Shared-Memory Parallel Applications", Computer and Telecommunications Systems Performance Engineering, Pentech Press, London, 1994, 13 pages.
	AHHH	Kornaros, et al., "A Fully-Programmable Memory Management System Optimizing Queue Handling at Multi Gigabit Rates", ACM, Jun. 2-6, 2003, pp. 54-59.
	AIII	Kumar, S., et al., "A Scalable, Cache-Based Queue Management Subsystem for Network Processors", no date, pp. 1-7.
	AJJJ	Lymar, T., et al., "Data Streams Organization in Query Executor for Parallel DBMS", no date, 4 pages.
	AKKK	McLuckie, L., et al., "Using the RapidIO Messaging Unit on PowerQUICC III", Freescale Semiconductor, Inc., 2004 Rev. 1, pp. 1-19.
	ALLL	Michael, M., "Scalable Lock-Free Dynamic Memory Allocation", PLDI '04, ACM, Jun. 2004, pp. 1-12.
	AMMM	Pan, H., et al., "Heads and Tails: A Variable-Length Instruction Format Supporting Parallel Fetch and Decode", CASES 01, No. 16-17, 2001, 8 pages.
	ANNN	Scott, M., "Non-Blocking Timeout in Scalable Queue-Based Spin Locks", PODC '02, ACM, Jul. 2002, pp.31-40.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gilbert Wolrich et al. Art Unit: 2171  
Serial No.: 10/020,815 Examiner: Unknown  
Filed : December 12, 2001 Conf No.: 8919  
Assignee: Intel Corporation  
Title : QUEUE MANAGEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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JUL 02 2004

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information  
Disclosure Statement and documents listed on form PTO-1449.

This filing is being made before the receipt of a first  
Office action on the merits. No fee is required.

The documents are in the English language; hence no concise  
explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the  
return of a copy of the enclosed form PTO-1449 with the

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR \$1.8(a) that this  
correspondence is being deposited with the  
United States Postal Service as first class mail  
with sufficient postage on the date indicated  
below and is addressed to the Commissioner for  
Patents, P.O. Box 1450, Alexandria, VA 22313-  
1450.

JUNE 29 2004  
Date of Deposit

Susan Sesnovich  
Signature

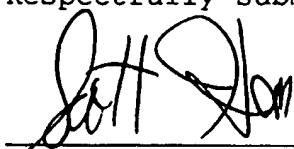
SUSAN SESNOVICH  
Typed or Printed Name of Person Signing  
Certificate

Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Please apply any additional charges or credits to Deposit Account No. 06-1050.

Date: 6/29/04

Respectfully submitted,

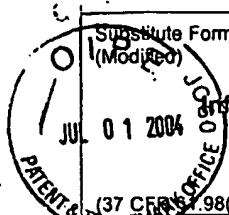
  
\_\_\_\_\_  
Scott C. Harris

Reg. No. 32,030

Attorneys for Intel Corporation

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Facsimile: (858) 678-5099

10410247.doc

	Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-614001	Application No. 10/020,815
	<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)			Applicant Gilbert Wolrich, et al.
				Filing Date December 12, 2001

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	09/475,614	12/30/1999	Wolrich et al.			
	AB	09/473,571	12/28/1999	Wolrich et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AC	WO 01/50679	07/12/2001	WIPO			
	AD	WO 01/50247	07/12/2001	WIPO			
	AE	WO 01/48619	07/05/2001	WIPO			
	AF	WO 01/48606	07/05/2001	WIPO			
	AG	WO 01/48596	07/05/2001	WIPO			
	AH	WO 01/16782	03/08/2001	WIPO			
	AI	WO 01/16770	03/08/2001	WIPO			
	AJ	WO 01/16769	03/08/2001	WIPO			
	AK	WO 01/15718	03/08/2001	WIPO			
	AL	WO 97/38372	10/16/1997	WIPO			
	AM	WO 94/15287	07/07/1994	WIPO			
	AN	EP 0 809 180	11/26/1997	Europe			
	AO	EP 0 745 933	12/04/1996	Europe			
	AP	EP 0 633 678	01/11/1995	Europe			
	AQ	EP 0 464 715	01/08/1992	Europe			
	AR	EP 0 379 709	08/01/1990	Europe			
	AS	59111533	06/27/1984	Japan			Abstract only

**Other Documents (include Author, Title, Date, and Place of Publication)**

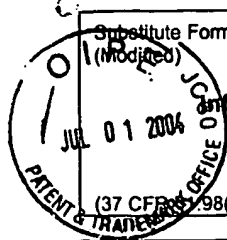
Examine r Initial	Desig. ID	Document
	AT	Byrd et al., "Multithread Processor Architectures," <i>IEEE Spectrum</i> , Vol. 32, No. 8, New York, 1 August 1995, pp. 38-46.
	AU	Doyle et al., <i>Microsoft Press Computer Dictionary</i> , 2 <sup>nd</sup> ed., Microsoft Press, Redmond, Washington, USA, 1994, p. 326.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.




 Substitute Form PTO-1449  
 (Modified)

 U.S. Department of Commerce  
 Patent and Trademark Office

 Attorney's Docket No.  
 10559-614001

 Application No.  
 10/020-815

**Information Disclosure Statement  
 by Applicant**

(Use several sheets if necessary)

 Applicant  
 Gilbert Wolrich, et al.

 Filing Date  
 December 12, 2001

 Group Art Unit  
 2171

Technology Center 2100

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AV	Fillo et al., "The M-Machine Multicomputer," IEEE Proceedings of MICRO-28, 1995, pp. 146-156. ✓
	AW	Gomez et al., "Efficient Multithreaded User-Space Transport for Network Computing: Design and Test of the TRAP Protocol," <i>Journal of Parallel and Distributed Computing</i> , Academic Press, Duluth, Minnesota, USA, vol. 40, no. 1, 10 January 1997, pp. 103-117. ✓
	AX	Haug et al., "Reconfigurable hardware as shared resource for parallel threads," IEEE Symposium on FPGAs for Custom Computing Machines, 1998. ✓
	AY	Hauser et al., "Garp: a MIPS processor with a reconfigurable coprocessor," Proceedings of the 5 <sup>th</sup> Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1997. ✓
	AZ	Hyde, R., "Overview of Memory Management," <i>Byte</i> , vol. 13, no. 4, 1998, pp. 219-225. ✓
	AAA	Litch et al., "StrongARMing Portable Communications," IEEE Micro, 1998, pp. 48-55. ✓
	ABB	Schmidt et al., "The Performance of Alternative Threading Architectures for Parallel Communication Subsystems," Internet Document, <i>Online!</i> , 13 November 1998. ✓
	ACC	Thistle et al., "A Processor Architecture for Horizon," IEEE, 1998, pp. 35-41. ✓
	ADD	Tremblay et al., "A Three Dimensional Register File for Superscalar Processors," IEEE Proceedings of the 28 <sup>th</sup> Annual Hawaii International Conference on System Sciences, 1995, pp. 191-201. ✓
	AEE	Trimberger et al., "A time-multiplexed FPGA," Proceedings of the 5 <sup>th</sup> Annual IEEE Symposium on Field-Programmable Custom Computing Machines, 1998. ✓
	AFF	Turner et al., "Design of a High Performance Active Router," Internet Document, <i>Online</i> , 18 March 1999. ✓
	AGG	Vibhatavani et al., "Simultaneous Multithreading-Based Routers," Proceedings of the 2000 International Conference of Parallel Processing, Toronto, Ontario, Canada, 21-24 August 2000, pp. 362-359. ✓
	AHH	Wazlowski et al., "PRSIM-II computer and architecture," IEEE Proceedings, Workshop on FPGAs for Custom Computing Machines, 1993. ✓

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)



**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 63609  
Application ID: 10020815  
Title of Invention: QUEUE MANAGEMENT  
First Named Inventor: Gilbert Wolrich  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2001-12-12  
Effective Receipt Date: 2004-06-29  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 8919  
Attorney Docket Number: 10559-614001



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**Technology Center 2100**




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Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: effbad763ceb7fe99e8d0a73f3e35bea8f85626c

**TRANSMITTAL**

Electronic Version v1.1


Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>QUEUE MANAGEMENT</b>																
<table><tr><td>Application Number:</td><td>10/020815</td><td></td><td rowspan="5"><b>RECEIVED</b>  JUL 02 2004  Technology Center 2100</td></tr><tr><td>Date:</td><td>2001-12-12</td><td></td></tr><tr><td>First Named Applicant:</td><td>Gilbert Wolrich</td><td></td></tr><tr><td>Confirmation Number:</td><td>8919</td><td></td></tr><tr><td>Attorney Docket Number:</td><td>10559-614001</td><td></td></tr></table>		Application Number:	10/020815		<b>RECEIVED</b>  JUL 02 2004  Technology Center 2100	Date:	2001-12-12		First Named Applicant:	Gilbert Wolrich		Confirmation Number:	8919		Attorney Docket Number:	10559-614001	
Application Number:	10/020815		<b>RECEIVED</b>  JUL 02 2004  Technology Center 2100														
Date:	2001-12-12																
First Named Applicant:	Gilbert Wolrich																
Confirmation Number:	8919																
Attorney Docket Number:	10559-614001																
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Scott C. Harris Registered Number: 32,030</td><td>/SCH/</td><td>Attorney</td></tr></tbody></table>				Submitted by:	Elec. Sign.	Sign. Capacity	Scott C. Harris Registered Number: 32,030	/SCH/	Attorney								
Submitted by:	Elec. Sign.	Sign. Capacity															
Scott C. Harris Registered Number: 32,030	/SCH/	Attorney															
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>10559-614001-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>				Documents being submitted	Files	us-ids	10559-614001-usidst.xml		us-ids.dtd		us-ids.xsl						
Documents being submitted	Files																
us-ids	10559-614001-usidst.xml																
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<b>Comments</b>																	



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of Invention	QUEUE MANAGEMENT	
Application Number:	10/020815	
Confirmation Number:	8919	
First Named Applicant:	Gilbert Wolrich	
Attorney Docket Number:	10559-614001	
Art Unit:	2171	
Search string:	( 6694380 or 6681300 or 6668317 or 6661794 or 6631462 or 6631430 or 6625654 or 6606704 or 6587906 or 6584522 or 6577542 or 6560667 or 6552826 or 6532509 or 6522188 or 6463072 or 6434145 or 6430626 or 6427196 or 6426940 or 6415338 or 6393483 or 6389449 or 6373848 or 6360262 or 6356962 or 6347344 or 6345334 or 6324624 or 6307789 or 6298370 or 6289011 or 6279113 or 6275505 or 6272616 or 6256713 or 6247025 or 6223238 or 6223207 or 6216220 or 6212611 or 6212542 or 6201807 or 6199133 or 6195676 or 6182177 or 6160562 or 6157955 or 6145054 or 6144669 or 6141765 or 6141689 or 6134665 or 6112016 or 6092158 or 6092127 or 6085294 or 6085215 or 6079008 or 6073215 or 6072781 or 6070231 or 6067585 or 6058168 or 6023742 or 6014729 or 6012151 or 5983274 or 5978838 or 5974518 or 5970013 or 5961628 or 5958031 or 5948081 or 5946487 or 5940866 or 5940612 or 5937187 or 5938736 or 5915123 or 5905889 or 5905876 or 5892979 or 5890208 or 5887134 or 5886992 or 5860158 or 5854922 or 5835755 or 5832215 or 5828863 or 5828746 or 5812868 or 5809530 or 5809235 or 5797043 or 5796413 or 5784712 or 5784649 or 5781774 or 5761522 or 5751987 or 5742822 or 5745913 or 5742782 or 5742587 or 5721870 or 5717898 or 5699537 or 5689566 or 5680641 or 5659687 or 5649157 or 5644623 or 5630130 or 5627829 or 5623489 or 5613136 or 5613071 or 5592622 or 5574922 or 5568617 or 5557766 or 5550816 or 5544236 or 5542088 or 5542070 or 5517648 or 5467452 or 5463625 or 5459842 or 5452437	

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or 5450351 or 5448702 or 5432918 or 5404464  
or 5404482 or 5392412 or 5392411 or 5392391  
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or 5255239 or 5173897 or 5168555 or 5155854  
or 5155831 or 5142683 or 5140685 or 4866664  
or 4745544 or 4523272 or 4514807 or 4400770  
or 4130890 or 3940745 or 3792441 or 3478322  
or 3373408 or 6223279 or 5761507 or 6667920  
or 20030147409 or 20030140196 or  
20030131198 or 20030131022 or 20030115347  
or 20030115426 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6694380	2004-02-17	Wolrich, et al			
	2	6681300	2004-01-20	Wolrich, et al			
	3	6668317	2003-12-23	Bernstein, et al			
	4	6661794	2003-12-09	Wolrich, et al			
	5	6631462	2003-10-07	Wolrich, et al			
	6	6631430	2003-10-07	Wolrich, et al			
	7	6625654	2003-09-23	Wolrich, et al			
	8	6606704	2003-08-12	Adiletta, et al			
	9	6587906	2003-07-01	Wolrich, et al			
	10	6584522	2003-06-24	Wolrich, et al			
	11	6577542	2003-06-10	Wolrich, et al			
	12	6560667	2003-05-06	Wolrich, et al			
	13	6552826	2003-04-22	Adler, et al			
	14	6532509	2003-03-11	Wolrich, et al			
	15	6522188	2003-02-18	Poole			
	16	6463072	2002-10-08	Wolrich, et al			
	17	6434145	2002-08-13	Opsasnick, et al			
	18	6430626	2002-08-06	Witkowski, et al			
	19	6427196	2002-07-30	Adiletta, et al			
	20	6426940	2002-07-30	Seo, et al			
	21	6415338	2002-07-02	Habot			
	22	6393483	2002-05-21	Latif, et al			
	23	6389449	2002-05-14	Nemirovsky, et al			

	24	6373848	2002-04-16	Allison, et al
	25	6360262	2002-03-19	Guenthner, et al
	26	6356962	2002-03-12	Kasper, et al
	27	6347344	2002-02-12	Baker, et al
	28	6345334	2002-02-05	Nakagawa, et al
	29	6324624	2001-11-27	Wolrich, et al
	30	6307789	2001-10-23	Wolrich, et al
	31	6298370	2001-10-02	Tang, et al
	32	6289011	2001-09-11	Seo, et al
	33	6279113	2001-08-21	Vaidya
	34	6275505	2001-08-14	O Loughlin, et al
	35	6272616	2001-08-07	Fernando, et al
	36	6256713	2001-07-03	Audityan, et al
	37	6247025	2001-06-12	Bacon
	38	6223238	2001-04-24	Meyer, et al
	39	6223207	2001-04-24	Lucovsky, et al
	40	6216220	2001-04-10	Hwang
	41	6212611	2001-04-03	Nizar, et al
	42	6212542	2001-04-03	Kahle, et al
	43	6201807	2001-03-18	Prasanna
	44	6199133	2001-03-06	Schnell
	45	6195676	2001-02-27	Spix, et al
	46	6182177	2001-01-30	Harriman
	47	6160562	2000-12-12	Chin, et al
	48	6157955	2000-12-05	Narad, et al
	49	6145054	2000-11-07	Mehrotra, et al
	50	6144669	2000-11-07	Williams, et al
	51	6141765	2000-10-31	Sherman
	52	6141689	2000-10-31	Yasrebi
	53	6134665	2000-10-17	Klein, et al
	54	6112016	2000-08-29	MacWilliams, et al
	55	6092158	2000-07-18	Harriman, et al
	56	6092127	2000-07-18	Tausheck
	57	6085294	2000-07-04	Van Doren, et al
	58	6085215	2000-07-04	Ramakrishnan, et al
	59	6079008	2000-06-20	Clery, III

	60	6073215	2000-06-06	Snyder
	61	6072781	2000-06-06	Feeney, et al
	62	6070231	2000-05-30	Ottinger
	63	6067585	2000-05-23	Hoang
	64	6058168	2000-05-02	Braband
	65	6023742	2000-02-08	Ebeling, et al
	66	6014729	2000-01-11	Lannan, et al
	67	6012151	2000-01-04	Mano
	68	5983274	1999-11-09	Hyder, et al
	69	5978838	1999-11-02	Mohamed, et al
	70	5974518	1999-10-26	Nogradi
	71	5970013	1999-10-19	Fischer, et al
	72	5961628	1999-10-05	Nguyen, et al
	73	5958031	1999-09-28	Kim
	74	5948081	1999-09-07	Foster
	75	5946487	1999-08-31	Dangelo
	76	5940866	1999-08-17	Chisholm, et al
	77	5940612	1999-08-17	Brady, et al
	78	5937187	1999-08-10	Kosche, et al
	79	5938736	1999-08-17	Muller, et al
	80	5915123	1999-06-22	Mirsky, et al
	81	5905889	1999-05-18	Wilhelm, Jr
	82	5905876	1999-08-18	Pawlowski, et al
	83	5892979	1999-04-06	Shiraki, et al
	84	5890208	1999-03-30	Kwon
	85	5887134	1999-03-23	Ebrahim
	86	5886992	1999-03-23	Raatikainen, et al
	87	5860158	1999-01-12	Pai, et al
	88	5854922	1998-12-29	Gravenstein, et al
	89	5835755	1998-11-10	Stellwagen, Jr
	90	5832215	1998-11-03	Kato, et al
	91	5828863	1998-10-27	Barrett, et al
	92	5828746	1998-10-27	Ardon
	93	5812868	1998-09-22	Moyer, et al
	94	5809530	1998-09-15	Samra, et al
	95	5809235	1998-09-15	Sharma, et al

	96	5797043	1998-08-18	Lewis, et al
	97	5796413	1998-08-18	Shipp, et al
	98	5784712	1998-07-21	Byers, et al
	99	5784649	1998-07-21	Begur, et al
	100	5781774	1998-07-14	Krick
	101	5761522	1998-06-02	Hisanaga, et al
	102	5751987	1998-04-12	Mahanti Shetti, et al
	103	5742822	1998-04-21	Motomura
	104	5745913	1998-04-28	Pattin, et al
	105	5742782	1998-04-21	Ito, et al
	106	5742587	1998-04-21	Zornig, et al
	107	5721870	1998-02-24	Matsumoto
	108	5717898	1998-02-10	Kagan, et al
	109	5699537	1997-12-16	Sharangpani, et al
	110	5689566	1997-11-18	Nguyen
	111	5680641	1997-10-21	Sidman
	112	5659687	1997-08-19	Kim, et al
	113	5649157	1997-07-15	Williams
	114	5644623	1997-07-01	Gulledge
	115	5630130	1997-05-13	Perotto, et al
	116	5627829	1997-05-06	Gleeson, et al
	117	5623489	1997-04-22	Cotton, et al
	118	5613136	1997-03-18	Casavant, et al
	119	5613071	1997-03-18	Rankin, et al
	120	5592622	1997-01-07	Isfeld, et al
	121	5574922	1996-11-12	James
	122	5568617	1996-10-22	Kametani
	123	5557766	1996-09-17	Takiguchi, et al
	124	5550816	1996-08-27	Hardwick, et al
	125	5544236	1996-08-06	Andruska, et al
	126	5542088	1996-07-30	Jennings, Jr, et al
	127	5542070	1996-07-30	LeBlanc, et al
	128	5517648	1996-05-14	Bertone, et al
	129	5467452	1995-11-14	Blum, et al
	130	5463625	1995-10-31	Yasrebi
	131	5459842	1995-10-17	Begun, et al



	132	5452437	1995-09-19	Richey, et al
	133	5450351	1995-09-12	Heddes
	134	5448702	1995-09-05	Garcia, Jr, et al
	135	5432918	1995-07-11	Stamm
	136	5404464	1995-04-04	Bennett
	137	5404482	1995-04-04	Stamm, et al
	138	5392412	1995-02-21	McKenna
	139	5392411	1995-02-21	Ozaki
	140	5392391	1995-02-21	Caulk, Jr, et al
	141	5390329	1995-02-14	Gaertner, et al
	142	5367678	1994-11-22	Lee, et al
	143	5347648	1994-09-13	Stamm, et al
	144	5263169	1993-11-16	Genusov, et al
	145	5255239	1993-10-19	Taborn, et al
	146	5173897	1992-12-22	Schrodi, et al
	147	5168555	1992-12-01	Byers, et al
	148	5155854	1992-10-13	Flynn, et al
	149	5155831	1992-10-13	Emma, et al
	150	5142683	1992-08-25	Burkhardt, Jr, et al
	151	5140685	1992-08-18	Sipple, et al
	152	4866664	1989-09-12	Burkhardt, Jr, et al
	153	4745544	1988-05-17	Renner, et al
	154	4523272	1985-06-11	Fukunaga, et al
	155	4514807	1985-04-30	Nogi
	156	4400770	1983-08-23	Chan, et al
	157	4130890	1978-12-19	Adam
	158	3940745	1976-02-24	Sajeva
	159	3792441	1974-02-12	Wymore, et al
	160	3478322	1969-11-11	Evans
	161	3373408	1968-03-12	Ling
	162	6223279	2001-04-24	Nishimura, et al
	163	5761507	1998-06-02	Govett
	164	6667920	2003-12-23	Wolrich, et al

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	2	20030140196	2003-07-24	Wolrich, et al			
	3	20030131198	2003-07-10	Wolrich, et al			
	4	20030131022	2003-07-17	Wolrich, et al			
	5	20030115347	2003-06-19	Wolrich, et al			
	6	20030115426	2003-06-19	Rosenbluth, et al			

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